If you are using a printed copy of this procedure, and not the on-screen version, then you MUST make sure the dates at the bottom of the printed copy and the on-screen version match.
The on-screen version of the Collider-Accelerator Department Procedure is the Official Version.
Hard copies of all signed, official, C-A Operating Procedures are kept on file in the C-A ESHQ Training Office, Bldg. 911A.

C-A OPERATIONS PROCEDURES MANUAL

12.7 Facility Startup Inspection

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Hand Processed Changes

HPC No.	Date	Page Nos.	Initials

Approved: ***Signature on File*** _____
Collider-Accelerator Department Chairman Date

M. Wiplich

12.7 Facility Startup Inspection

1. Purpose

The purpose of this procedure is to define the sequence of activities required for inspecting the facility when starting up the accelerator after it has been shut down.

2. Responsibilities

It is the responsibility of the person or persons executing this procedure to observe all safety rules.

3. Prerequisites

The person or persons executing this procedure shall have all formal training required of a TVDG Operator.

4. Precautions

None

5. Procedure

5.1 Control Room - Upon initial arrival at the facility, the operator should check the following:

5.1.1 Annunciator Panel located in Rack 25. Examine the status of all annunciators. If any of the annunciators are active, determine the cause of the activity and resolve problems if necessary. The operator should be aware of the status of all equipment monitored by this panel. If an annunciator is active, the reason for the activity should be determined and if necessary, appropriate action taken. Any action taken should be logged with date and time of discovery and a description of the action taken.

5.1.2 Vacuum Gauges located in Racks 19,23,28 and 32. If there are any problems with any of the vacuum sub-systems, these problems should be dealt with and the incident logged with date and time of discovery and any action taken.

5.1.3 The status of the Halon System located on SE wall of Control Room. The Halon system should be in 'Abort' when there are personnel in the facility and in 'Normal' when there are no personnel in the facility.

5.1.4 Oxygen Monitor located in Rack 34. All oxygen levels should be above 20%. An oxygen level below 20% is cause for an emergency action. Consult the emergency procedure for the action to be taken. Refer to Oxygen Alarm Response for the Oxygen Monitor Alarm Response.

5.1.5 Sensophone located above Rack 2. The Sensophone should be turned OFF when the control room is manned and ON when it is not manned. Refer to Sensaphone Response.

5.1.6 Read the recent entries in the Log Book. The operator should be acquainted with the significant occurrences during the previous shift and be aware of any problems or activities that may be carried into the current shift.

5.1.7 Perform the Shift Change Procedure as given in Shift Change.

5.1.8 Obtain the printout of the PERM procedures that are currently due for completion and complete as many of them as possible.

5.2 Accelerator Room - The operator should completely tour the accelerator room, inspecting for the following:

5.2.1 The presence of any obvious hazards.

5.2.2 Noisy Cryo Pumps.

5.2.3 Air or Water leaks.

5.2.4 Unusual Vacuum Gauge readings.

5.2.5 Anything which may lead to an unsafe, hazardous or unusual condition.

5.2.6 Any unusual condition found during the tour should be corrected as soon as possible. Any action taken to correct a indication should be logged with date and time of discovery and a description of the condition and the action taken to correct it.

5.3 Mechanical Equipment Room - The operator should completely tour the mechanical equipment room, inspecting for the following:

5.3.1 The presence of any obvious hazards.

5.3.2 Air or Water leaks.

5.3.3 Noisy Pumps.

5.3.4 Deionized water level. Add makeup water if necessary to bring the level to '0'.

5.3.5 SF6 pressures in MP-6, MP-7 and storage. The pressure readings should agree with the last readings in the Pumpout Log.

5.3.6 Liquid nitrogen level in the Dewar which supplies the Detector storage tank. If the level is not above the '0' mark, replace with a full Dewar.

5.3.7 Anything which may lead to an unsafe, hazardous or unusual condition.

5.3.8 Any unusual condition found during the tour should be corrected as soon as possible. Any action taken to correct a condition should be logged with date and time of discovery and a description of the condition and action taken.

6. Documentation

Log entries as required.

7. References

None

8. Attachments

None